

Title (en)
PROPYLENE POLYMER

Title (de)
PROPYLENPOLYMER

Title (fr)
POLYMERE DE PROPYLENE

Publication
EP 1424348 B1 20051102 (EN)

Application
EP 02767855 A 20020823

Priority
• JP 0208530 W 20020823
• JP 2001255197 A 20010824
• JP 2001368785 A 20011203

Abstract (en)
[origin: EP1424348A1] An object of the present invention is to provide a novel propylene-based polymer capable of providing a propylene-based polymer with a good adhesion and coatability. <??>The present invention lies in a propylene-based polymer having a propylene represented by the following characteristics (1) to (3): (1) The weight-average molecular weight Mw is from not smaller than 5,000 to less than 1,000,000 as measured by GPC; (2) In ¹³C-NMR, peaks derived from the carbon atom in a methyl group in a propylene unit chain formed by head-to-tail bond are observed and, supposing that the chemical shift of the top of a peak assigned to a pentad represented by mmmm is 21.8 ppm, the ratio of the area S5 of the peak having its top at 21.8 ppm to the total area S of peaks appearing within a range of from 19.8 ppm to 22.2 ppm is from not smaller than 10% to not greater than 60%, and, supposing that the area of a peak having its top at 21.5 to 21.6 ppm is S6, the relationship $4 + 2S5/S6 > 5$ can be established; and (3) Regio irregular units based on 2,1-inserted propylene monomer and/or 1,3-inserted propylene monomer are present in its main chain and the sum of the ratio of regio irregular units based on 2,1-insertion and 1,3-insertion to all propylene insertions is not smaller than 0.05%.

IPC 1-7
C08F 10/06; **C08F 4/64**; **C08F 110/06**; **C08F 210/06**

IPC 8 full level
C08F 4/64 (2006.01); **C08F 10/06** (2006.01); **C08F 110/06** (2006.01); **C08F 283/02** (2006.01); **C08F 4/659** (2006.01); **C08F 210/06** (2006.01)

CPC (source: EP US)
C08F 10/06 (2013.01 - EP US); **C08F 110/06** (2013.01 - EP US); **C08F 283/02** (2013.01 - EP US); **C08F 4/65912** (2013.01 - EP US); **C08F 4/65916** (2013.01 - EP US); **C08F 210/06** (2013.01 - EP US); **Y10T 428/31855** (2015.04 - EP US); **Y10T 428/31913** (2015.04 - EP US)

Cited by
EP2070953A1; WO2009074316A3; EP1498434B1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1424348 A1 20040602; **EP 1424348 A4 20050126**; **EP 1424348 B1 20051102**; DE 60207091 D1 20051208; DE 60207091 T2 20060720; US 2004162403 A1 20040819; US 7115694 B2 20061003; WO 03018647 A1 20030306

DOCDB simple family (application)
EP 02767855 A 20020823; DE 60207091 T 20020823; JP 0208530 W 20020823; US 65067603 A 20030829